

SONY

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VAIO

VGN-CR31Z/R

Express your Style

Blazing Red - Bold, Energetic, Sexy



VAIO Europe official website
<http://www.vaio.eu/>

VAIO Europe official website
<http://www.vaiopro.eu/>

KEY FEATURES



14.1" widescreen X-black LCD display for natural looking pictures



Ready for entertainment with integrated 1.3 megapixel camera and AV-mode button



High performance with Intel® Centrino® Duo and ATI® Mobility Radeon® graphics



Multimedia freedom with Vista® Home Premium and Adobe® Photoshop® Elements

TECHNICAL SPECIFICATIONS

Operating System

Operating System

Genuine Windows Vista® Home Premium

Architecture

Platform

[Intel® Centrino® processor technology](#)

Chipset

Mobile Intel® PM965 Express Chipset

Colour

Cover colour

Blazing Red

CPU Section

| | |
|-----------------------------|--|
| Microprocessor Full Name | Intel® Core™2 Duo Processor T8300, Supports Enhanced Intel SpeedStep® Technology |
| Microprocessor Manufacturer | Intel® |
| Microprocessor Speed (GHz) | 2.40 |
| L2 Cache (KB) | 3072 Advanced Smart Cache |
| Frontside Bus (MHz) | 800 |
| Number of Cores | 2 |

Memory

| | |
|--------------------|--|
| Memory Speed (MHz) | 667 |
| Memory Type | DDR2 SDRAM (2x1024MB) |
| Max. Memory (MB) | 4096 |
| Max Memory Comment | In the case of 4GB, a portion of the system memory over 3GB might not be available to the operating system |
| Memory Size (MB) | 2048 |

Drives

| | |
|--------------------------|-------------------|
| Optical Drive Type | DVD+-RW/+R DL/RAM |
| Optical Drive Fitting | Built-in |
| Hard Drive Capacity (GB) | 250 |
| Hard Drive Speed (rpm) | 5400 |
| Hard Drive Type | Serial ATA |

Drives Speed

| | |
|-------|---|
| Write | CD-R x24, CD-RW x16, DVD-R DL x4, DVD-R x8, DVD-RW x6, DVD+R DL x4, DVD+R x8, DVD+RW x8, DVD-RAM x5 |
| Read | CD x24, CD-R x24, CD-RW x24, DVD x8, DVD-R DL x6, DVD-R x8, DVD-RW x6, DVD+R DL x6, DVD+R x8, DVD+RW x8, DVD-RAM x5 |

Display

| | |
|--------------------|-------------|
| Display Type | X-black LCD |
| Diagonal Size (in) | 14.1 |
| Resolution Format | 1280 x 800 |
| Resolution Type | WXGA |

Graphics

| | |
|------------------------|--|
| Graphic Card Full Name | ATI® Mobility Radeon™ X2300 |
| Producer | ATI® |
| Comments | Total Available Graphics Memory of 831MB |

Interfaces

| | |
|------------------------------------|--|
| 4 Pin i.LINK™ (IEEE1394), 400 Mbps | 1 |
| DC in | 1 |
| Memory Stick™ Slot | 1 |
| Memory Stick Slot Type | Memory Stick™ Std / Duo, Memory Stick™ PRO Std / Duo, high speed data transfer |
| SD Card Slot | 1 |
| Audio out | 1 |
| Audio out Type(s) | Stereo Headphones/Speakers Jack |
| Microphone Jack | 1 |
| RJ-11 Direct Port (Modem) | 1 |
| RJ-45 Direct Port (Network) | 1 |
| USB Speed | High/Full/Low |
| USB Port (quantity) | 3 |
| USB Version | 2.0 |
| USB Connector Type | A |
| VGA Connector for Monitor | 1 |
| TV out | 1 |
| TV out type | S-Video |
| Express Card Slot | 1 |
| Express Card Slot Type | 34mm |

Connectivity

| | |
|------------------------------------|-----------------------|
| Built-in Modem | V92/V.90 |
| Integrated Wireless LAN | YES |
| Wireless LAN Max. Data Rate (Mbps) | 300 |
| Wireless LAN Range (m) | max. 100 |
| Integrated Bluetooth (Version) | 2.0 + EDR |
| Bluetooth Range (m) | 10 |
| Wireless LAN Type | 802.11a/b/g/Draft n |
| Ethernet network | 100 BASE-TX/10 BASE-T |

Multimedia

| | |
|---|-----|
| Intel® High Definition Audio compatible | YES |
| Built-in Stereo Speakers | YES |
| Windows® Sound System Compatible | YES |

Built-in Camera

| | |
|--|-----------------|
| Built-in 'Motion Eye' Digital Camera | YES |
| Frames per Second | 30 |
| Image Sensor (Mega Pixels) | 1.3 |
| Motion Picture Function | YES |
| Motion Pictures max. Resolution (pixels) | 1280x800 (WXGA) |

Keyboard Section

| | |
|-----------|---|
| Touch Pad | 1 |
|-----------|---|

Features

| | |
|----------------------|---|
| Special Buttons | Power button, Wireless switch, Short-cut Keys (S1) , AV buttons |
| Auto Resolution | Plug and Display |
| Intervideo InstantON | YES |
| Built in microphone | YES |
| Kensington Lock | YES |

Software

| | |
|--------------------|--|
| Audio | VAIO Music Box, Windows Media Player 11, SonicStage Mastering Studio 2.4 |
| Video & TV | VAIO Content Importer / Exporter, WinDVD 8.0 for VAIO, DivX Player & Converter |
| Photo | Adobe Photoshop Elements 6, Google Picasa |
| CD-DVD Burning | Easy Media creator 9, Click to Disc/Editor, VAIO Movie Story |
| Office Application | Adobe® Reader® 8.1, Adobe Standard 8, Microsoft® Works 8.5, Microsoft® Office Trial 2007 (60 days Try & Buy) |
| Security & Other | Norton 360 (with 60 days free virus update), VAIO Recovery Utility 2.6 - HDD recovery (hidden partition), Skype, Google software package |

Supplied Accessories

| | |
|------------|-----|
| AC Adaptor | YES |
| Battery | YES |
| Power Cord | YES |

Dimensions

| | |
|--|-----------|
| Depth Main Unit (mm) | 249 |
| Height Main Unit (min - max in mm) | 21 - 38.3 |
| Width Main Unit (mm) | 335.1 |
| Weight with Supplied Battery and Supplied Drive (kg) | 2.5 |

Battery

| | |
|-----------------------------|---|
| Battery Type | Lithium-Ion battery (VGP-BPS9S) |
| Battery Life (min) | 190 |
| Battery Charging Time (min) | 220 |
| Battery Life Disclaimer | Actual battery life will vary depending on your specific hardware and software configurations. Benchmark: MobileMark 2007 |

Guarantee

| | |
|--------|----|
| Months | 12 |
|--------|----|

OPTIONAL ACCESSORIES

Co-branded bag
Mandarina Duck - Black
Ladies bag



Ladies bags VAIO and
Mandarina Duck co-
branded

VGP-BPS9A/S



Rechargeable Battery

VGP-AC19V26



Sony VAIO® AC
Adapter

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